Current Work Related to Management Question

Objective

- Targeted effort over the last six weeks to look at available data holistically

  - Determine the extent to which it can (or can't) address the management questions listed earlier

  - Support identification of future monitoring efforts

Management Questions Addressed by Recent Analyses

- Characterize Sources
  - What are the ultimate sources of PCBs to the system (inadvertent/legacy/other)?
  - How much is coming from each delivery pathway, and how much is unknown?
- Identify and Implement Appropriate Actions
  - How are fish obtaining their PCBs?
- Make Progress
  - How much PCB is in the river (and sediments and fish) now?
  - What are trends so far, and how do we identify future trends?

Recent Analyses to Characterize Sources

- What are the ultimate sources of PCBs to the system (inadvertent/legacy/other)?
  - Data suitability for fingerprinting

- How much is coming from each delivery pathway, and how much is unknown?
  - Summarize existing knowledge of PCB delivery pathways
  - Homolog pattern analyses
    - Do patterns vary seasonally?
    - How do the patterns of delivery pathways correlate to those of atmosphere deposition?
  - Spatial assessment of PCBs in fish and biofilm
    - Do concentrations represent the presence of a previously un-considered source?

Recent Analyses to Identify Control Actions

- Where are fish getting their PCBs?
  - Application of screening-level bioaccumulation model
  - Model of water column and sediments
    - Are observed sediment concentrations consistent with observed water column PCB levels?

Recent Analyses to Measure Progress

- What are current concentrations?
  - How well do we know them?
  - What drives their variability?

- Are concentrations improving over time?
  - How much data do we need to make that assessment in the future?